10/524098

WO 2004/016015 PCT/KR2003/001586

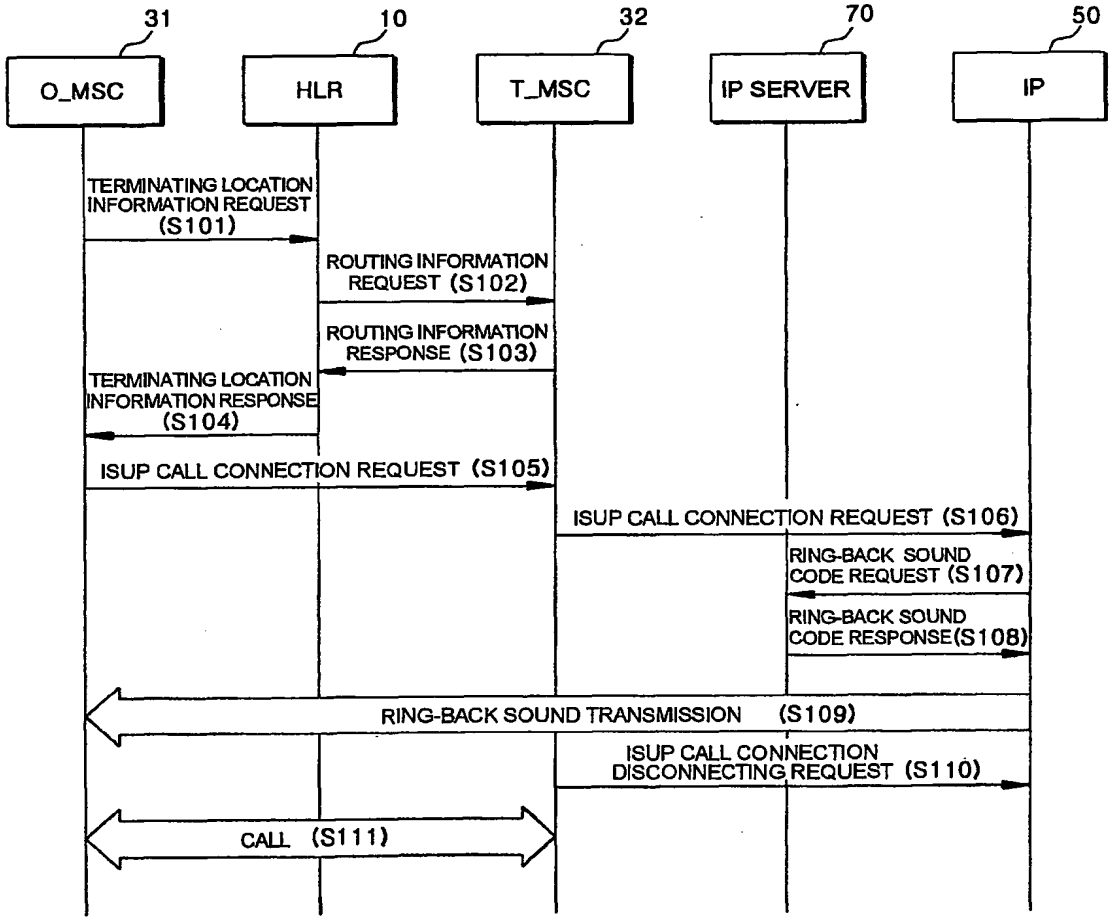

FIG. 1

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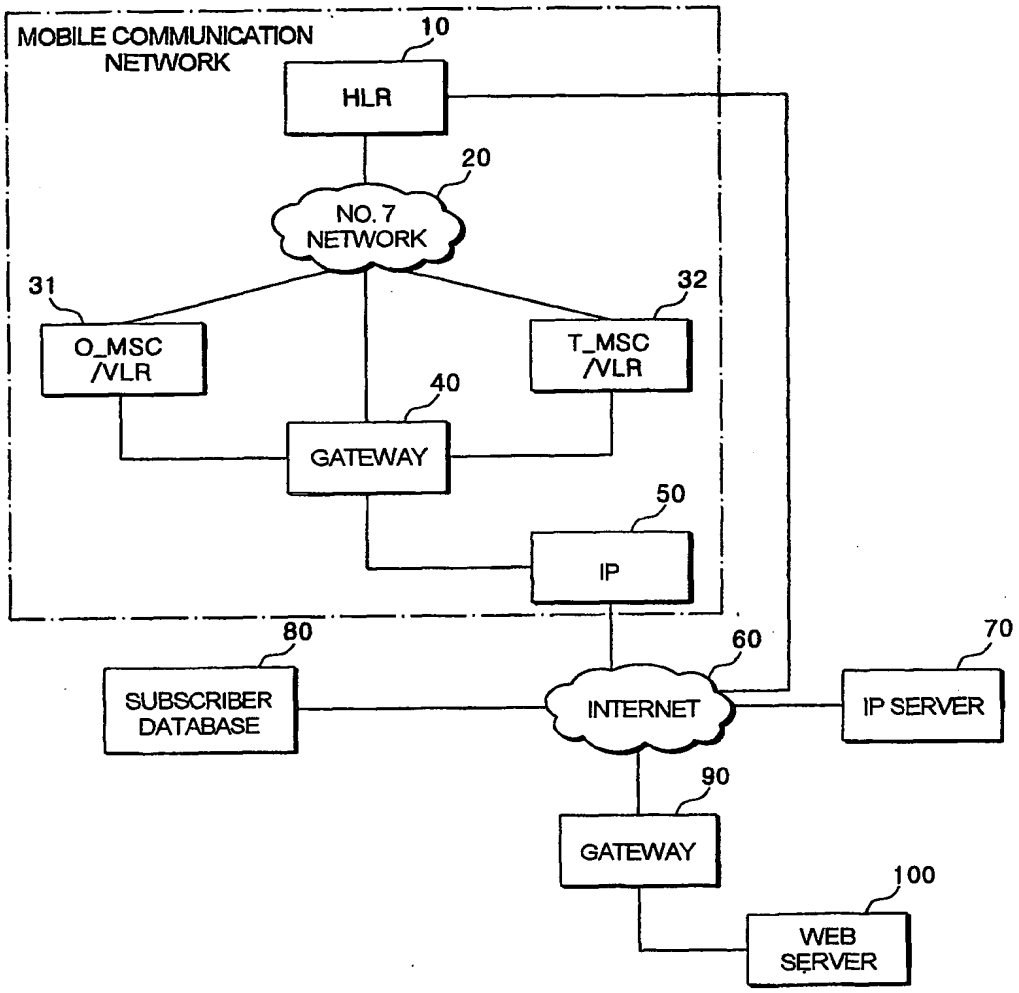

FIG. 2

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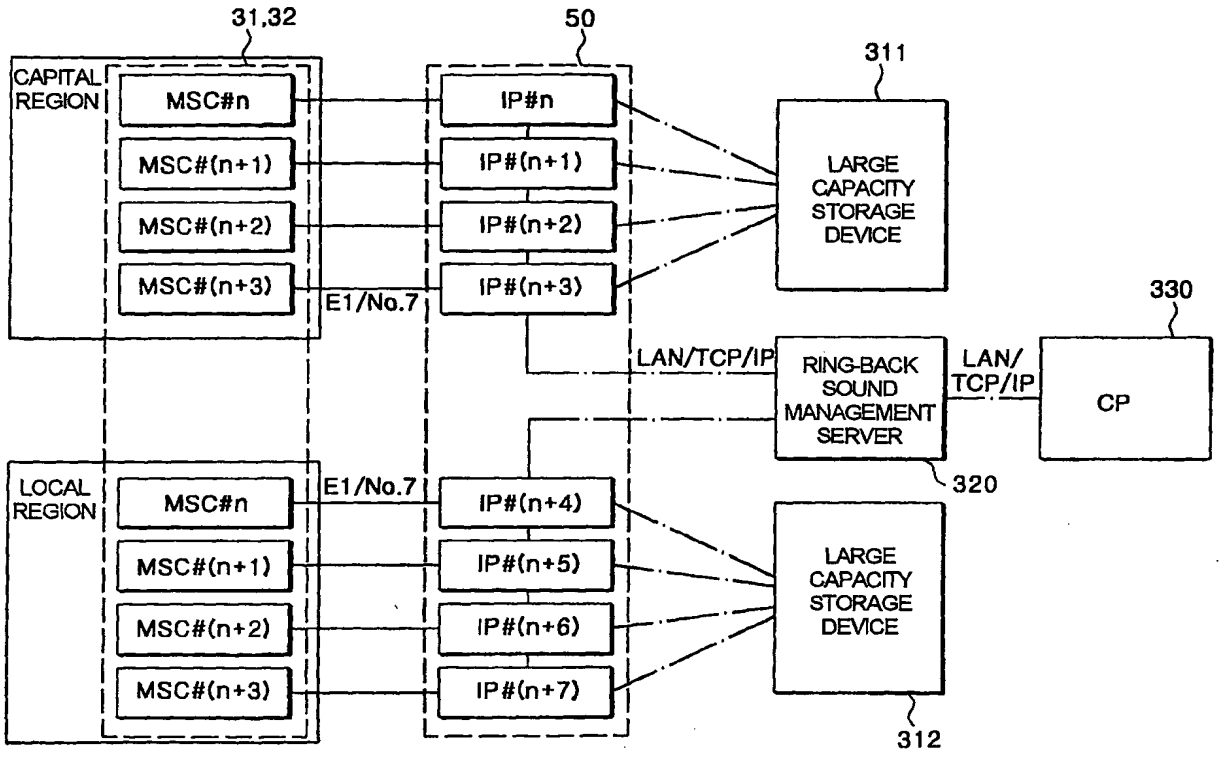

FIG. 3

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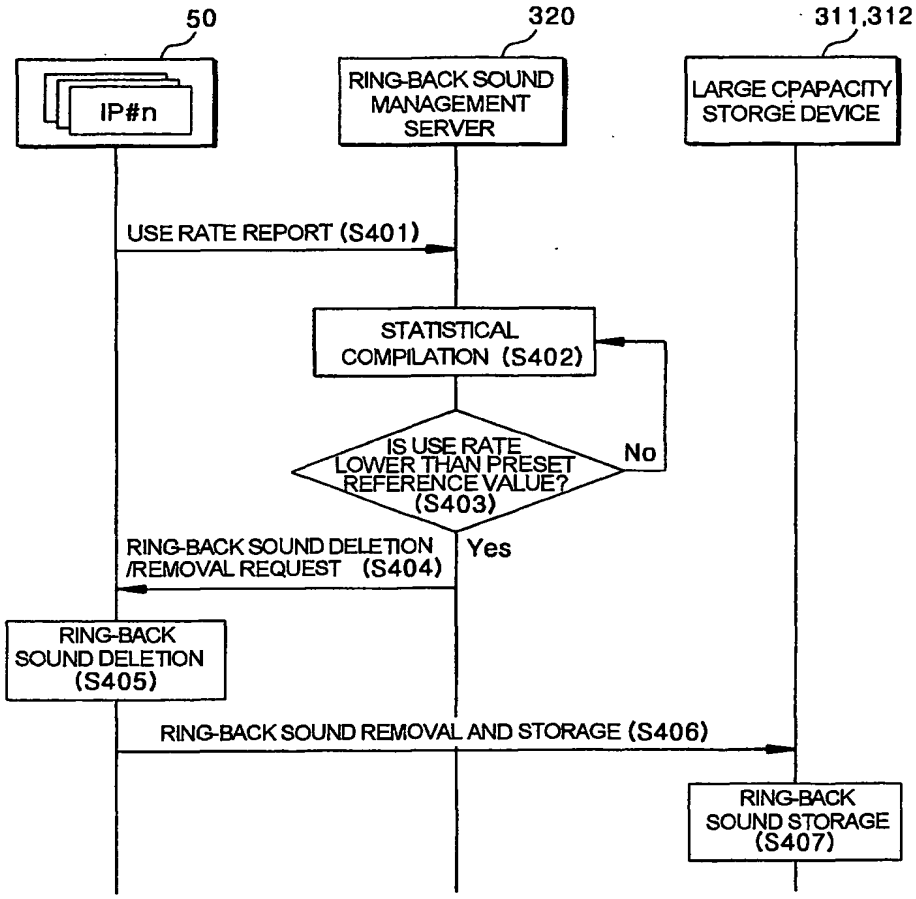

FIG. 4

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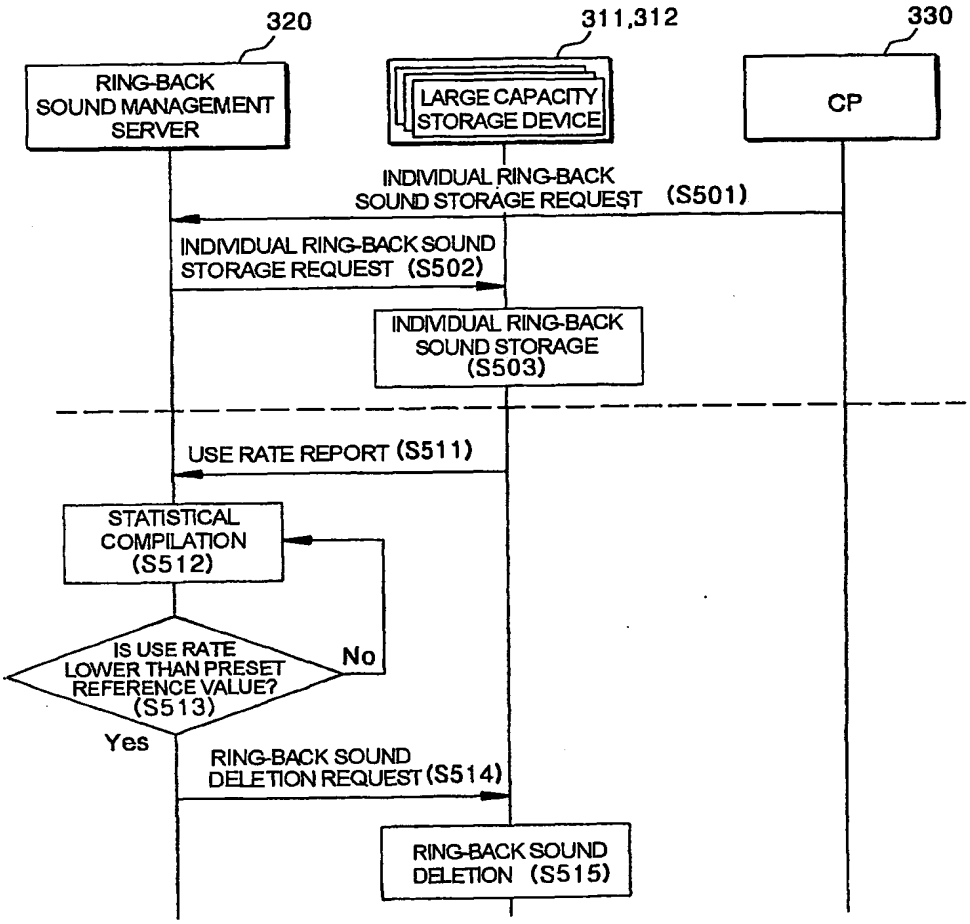

FIG. 5

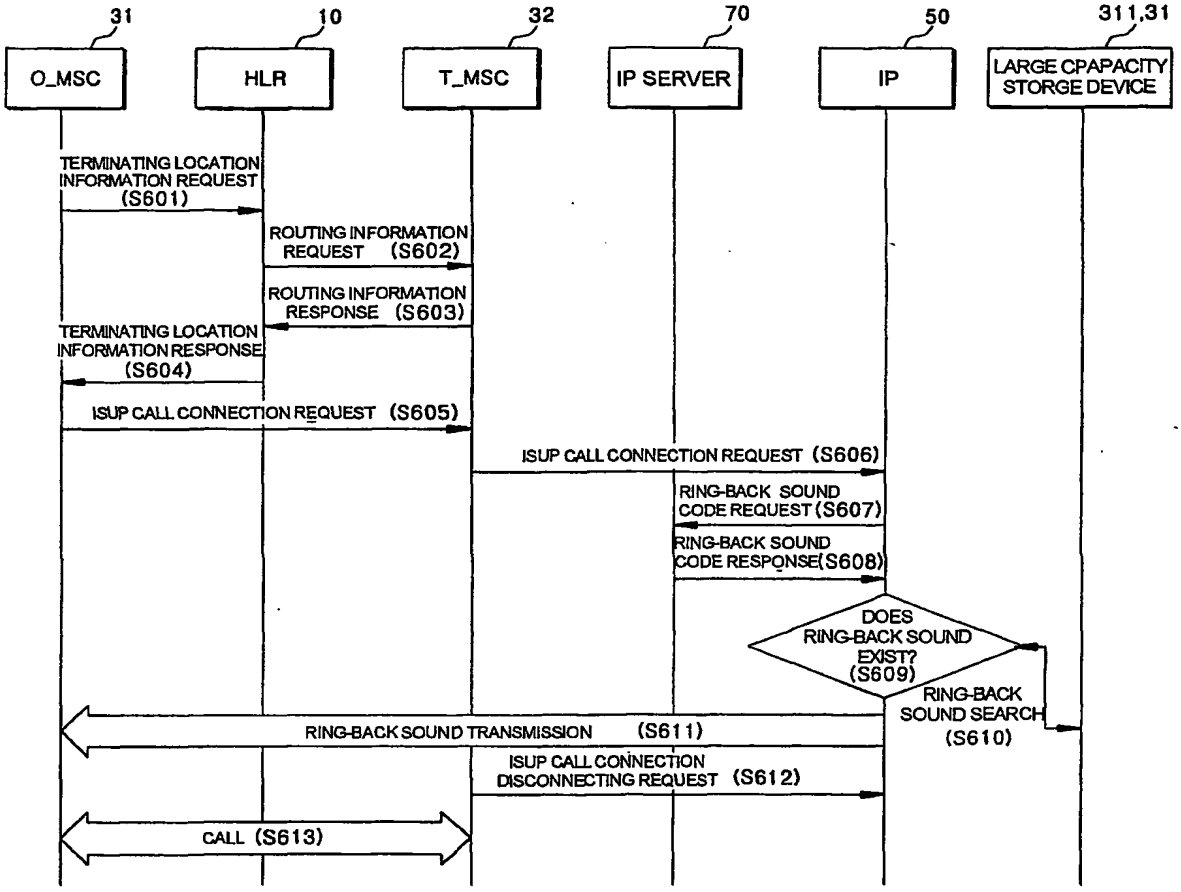
31
10
32
70
50
311,31
O_MSC
HLR
T_MSC
IP SERVER
IP
LARGE CPAPACITY STORGE DEVICE
TERMINATING LOCATION INFORMATION REQUEST (S601)
ROUTING INFORMATION REQUEST (S602)
ROUTING INFORMATION RESPONSE (S603)
TERMINATING LOCATION INFORMATION RESPONSE (S604)
ISUP CALL CONNECTION REQUEST (S605)
ISUP CALL CONNECTION REQUEST (S606)
RING-BACK SOUND CODE REQUEST (S607)
RING-BACK SOUND CODE RESPONSE (S608)
DOES RING-BACK SOUND EXIST? (S609)
RING-BACK SOUND SEARCH (S610)
RING-BACK SOUND TRANSMISSION (S611)
ISUP CALL CONNECTION DISCONNECTING REQUEST (S612)
CALL (S613)

FIG. 6

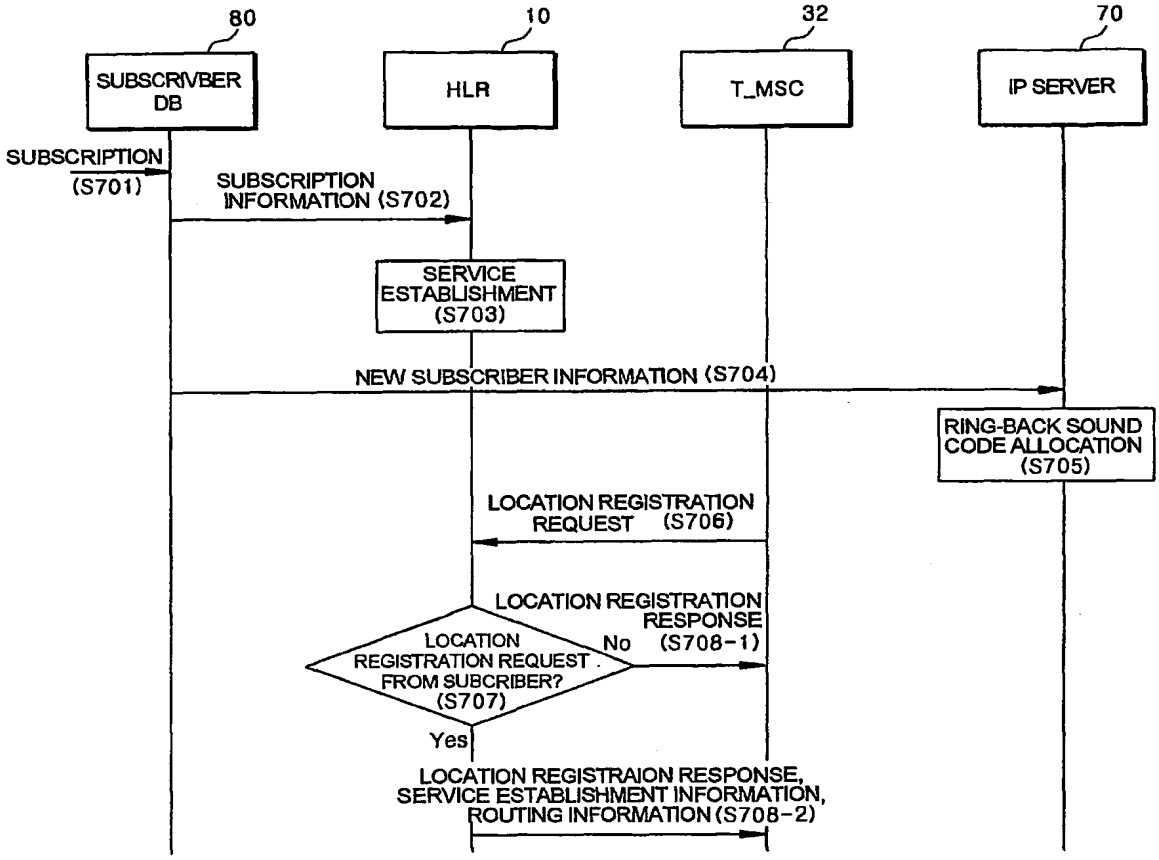
80
10
32
70
SUBSCRIVBER DB
HLR
T_MSC
IP SERVER
SUBSCRIPTION (S701)
SUBSCRIPTION INFORMATION (S702)
SERVICE ESTABLISHMENT (S703)
NEW SUBSCRIBER INFORMATION (S704)
RING-BACK SOUND CODE ALLOCATION (S705)
LOCATION REGISTRATION REQUEST (S706)
LOCATION REGISTRATION RESPONSE (S708-1)
LOCATION REGISTRATION REQUEST FROM SUBCRIBER? (S707)
No
Yes
LOCATION REGISTRAION RESPONSE, SERVICE ESTABLISHMENT INFORMATION, ROUTING INFORMATION (S708-2)

FIG. 7

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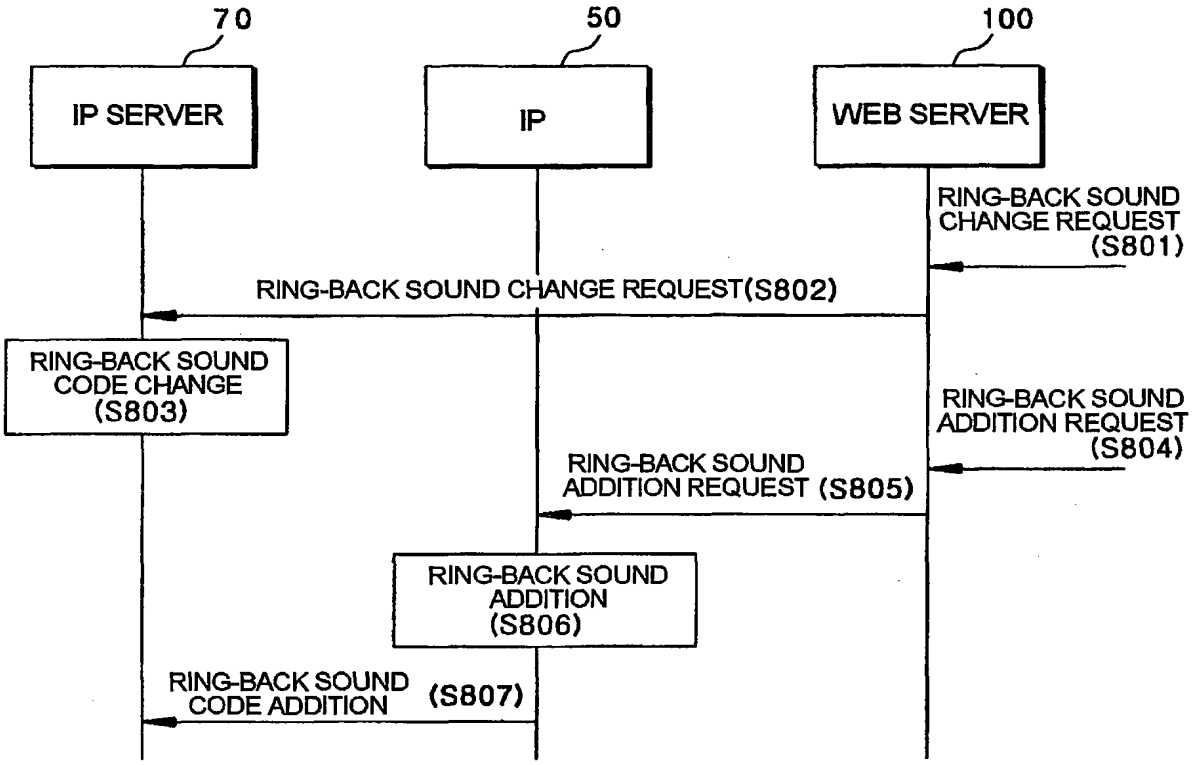

FIG. 8

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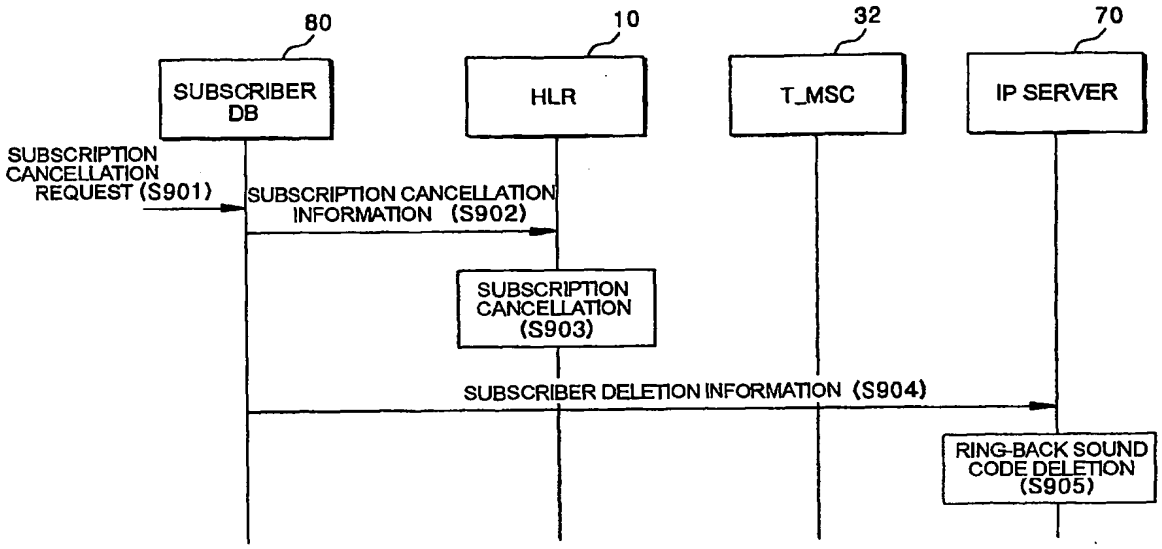

FIG. 9

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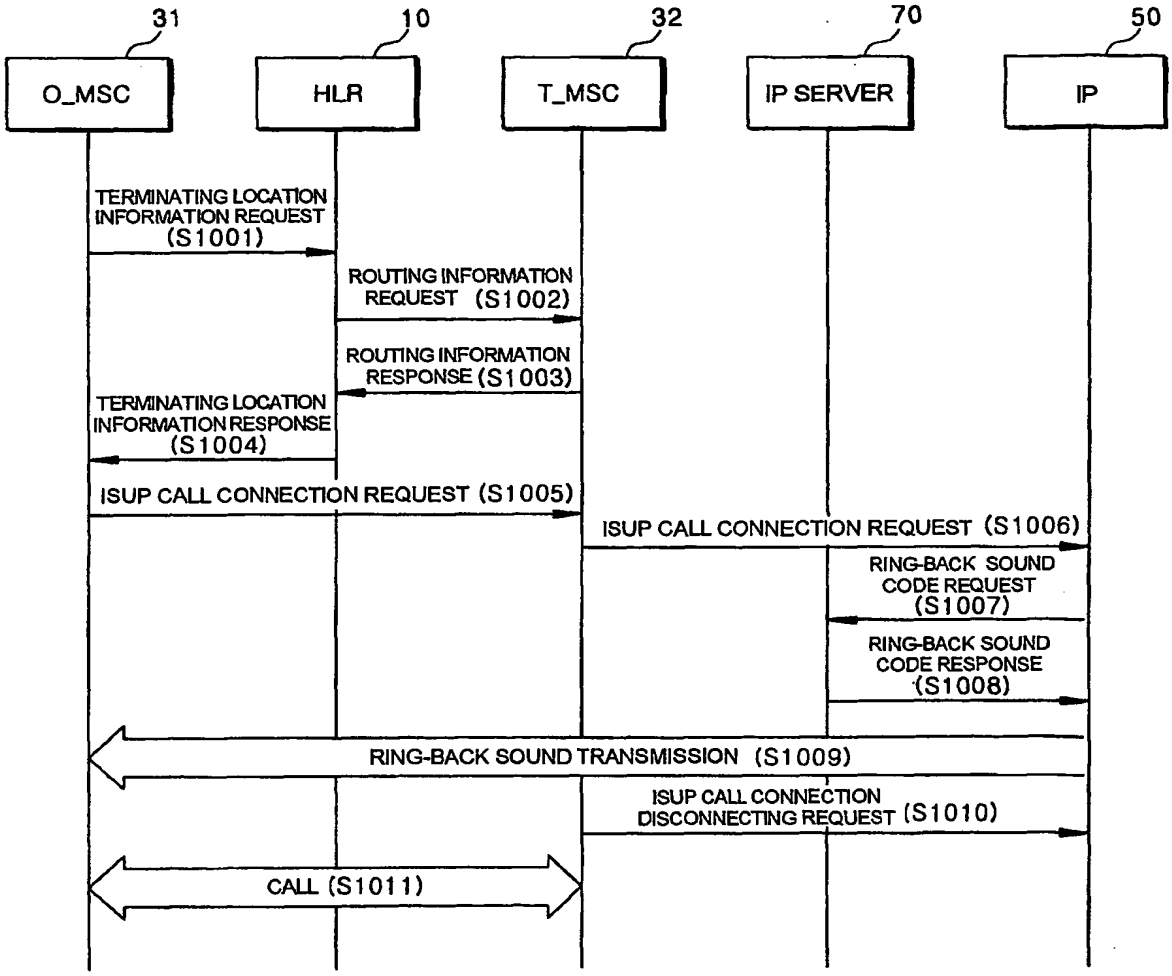

FIG. 10

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PARAMETER =CallingFeaturesindicator2				LENGTH=V		TAG =H'9fff7d			
CONTENTS								MEANING	
H	G	F	E	D	C	B	A	Octet	Notes
VMSB		VMSU		MC		CC		1	
FMSNA		FMSB		FMSU		VMSNA		2	a
SRBT		NCW		Prefer_Sys		MUDN		3	
....								n	

FIG. 11

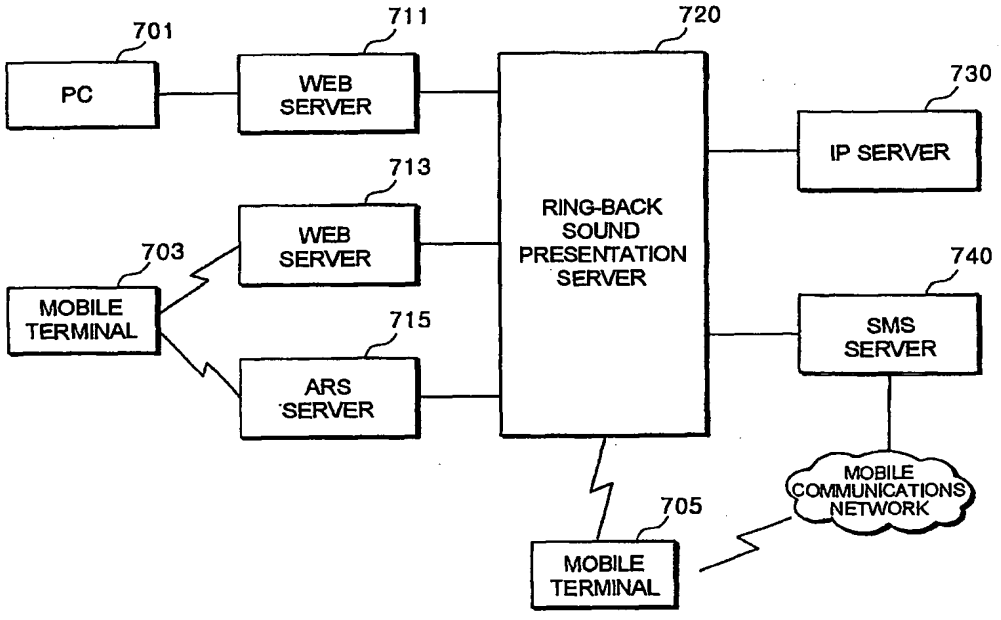

FIG. 12

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WO 2004/016015 PCT/KR2003/001586

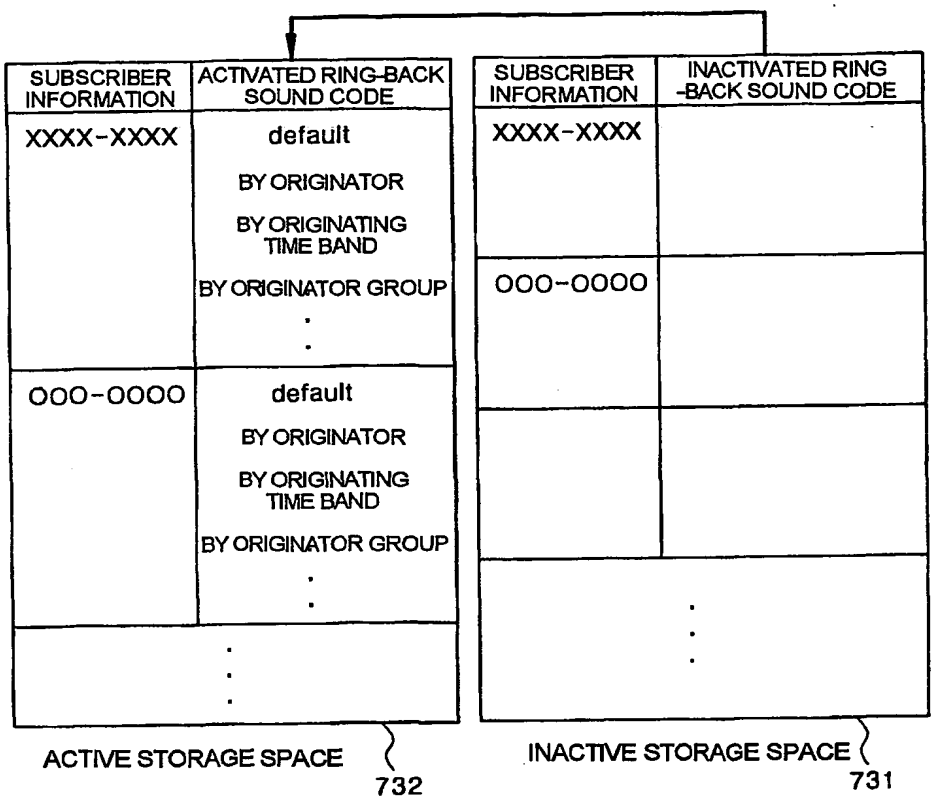

FIG. 13

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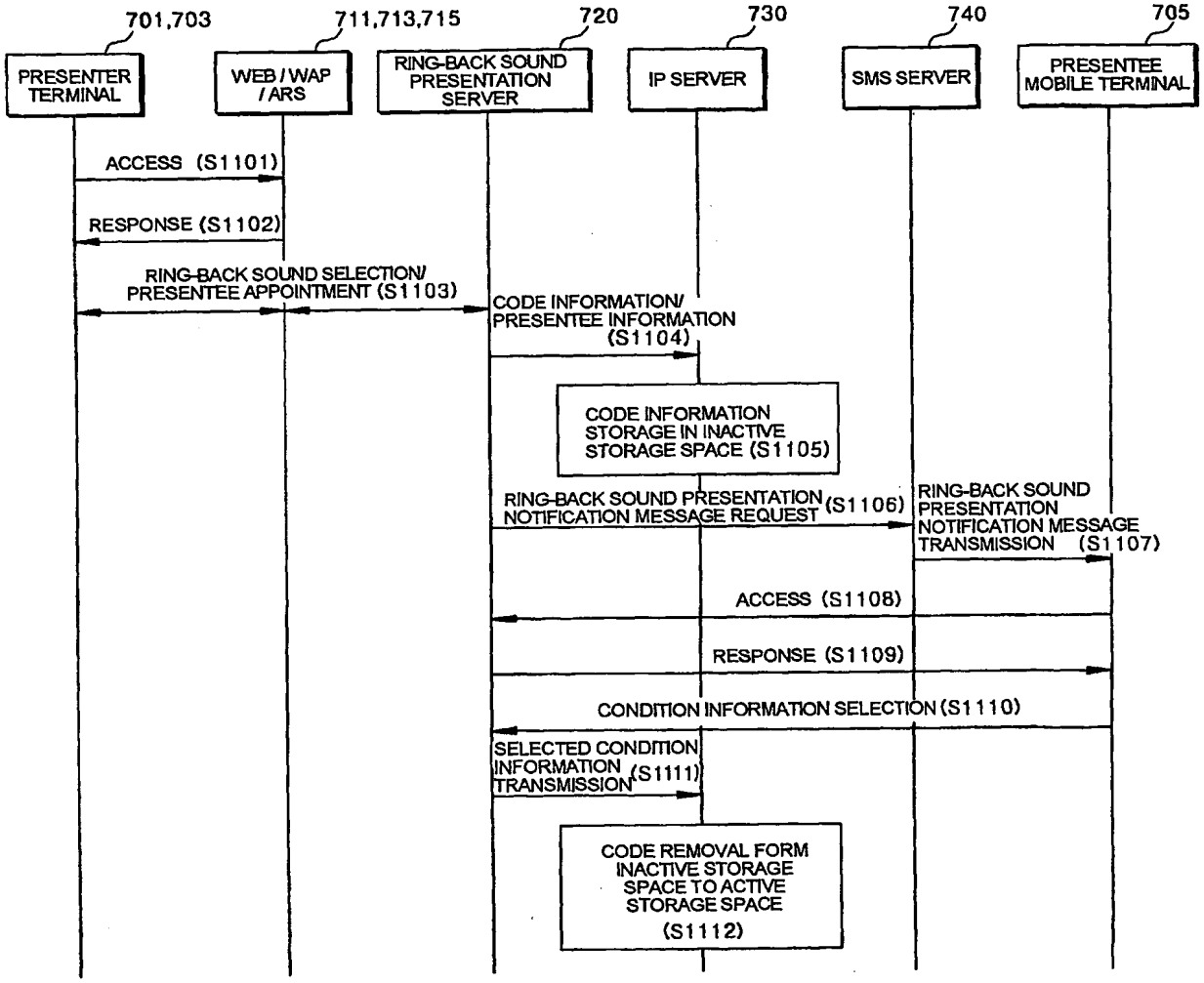

FIG. 14

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WO 2004/016015 PCT/KR2003/001586

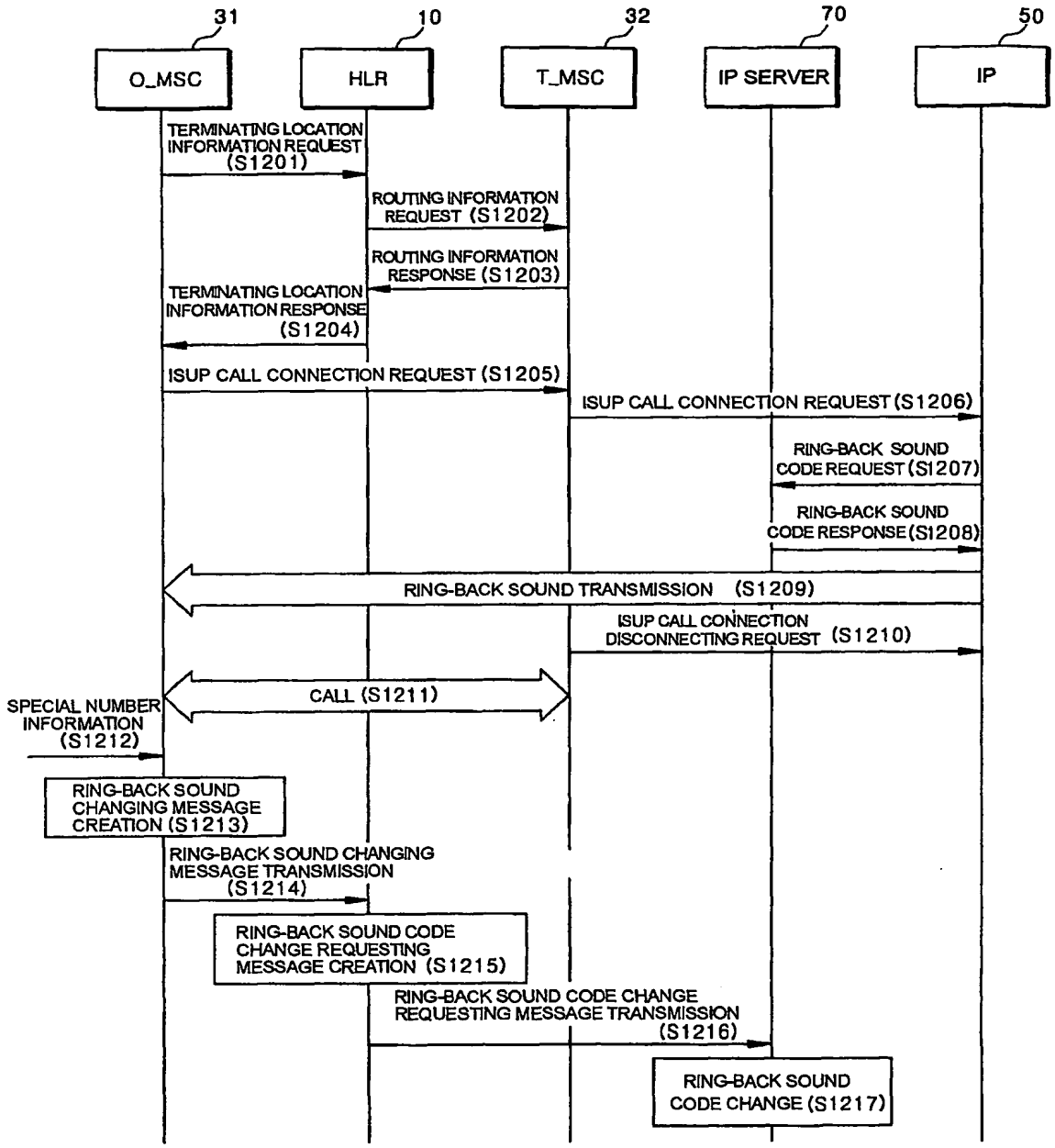

FIG. 15

10/524098

WO 2004/016015 PCT/KR2003/001586

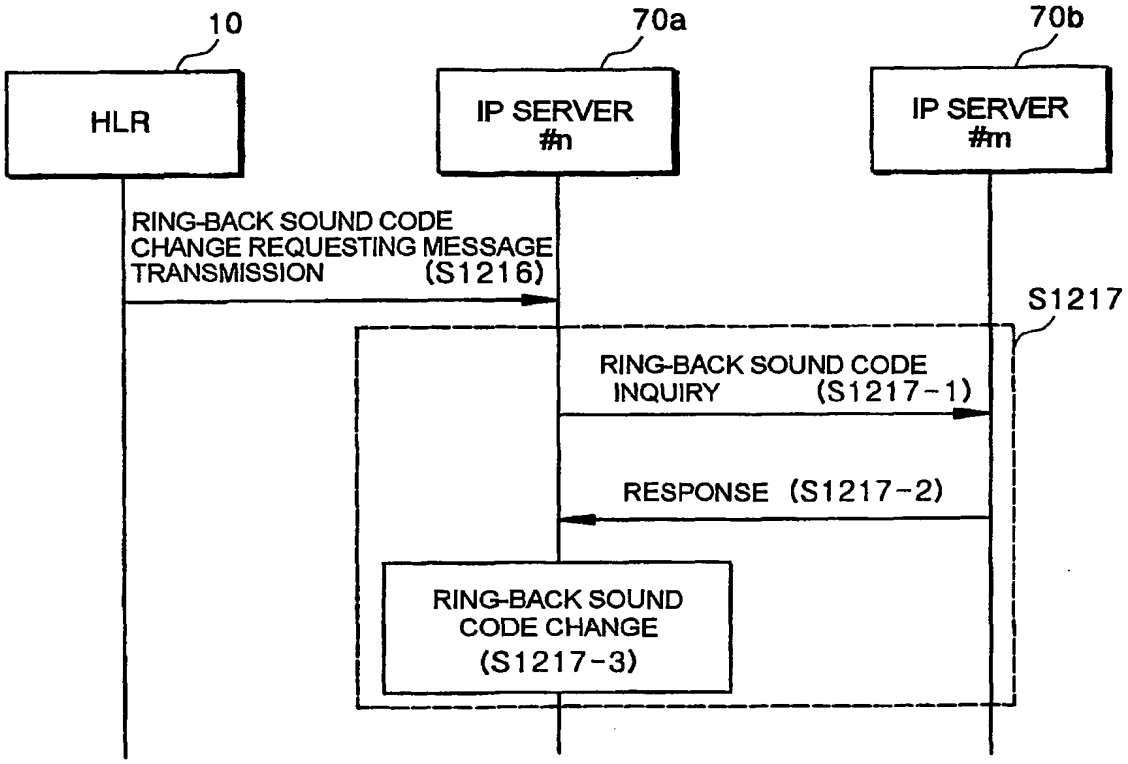

FIG. 16

10/524098

WO 2004/016015 PCT/KR2003/001586

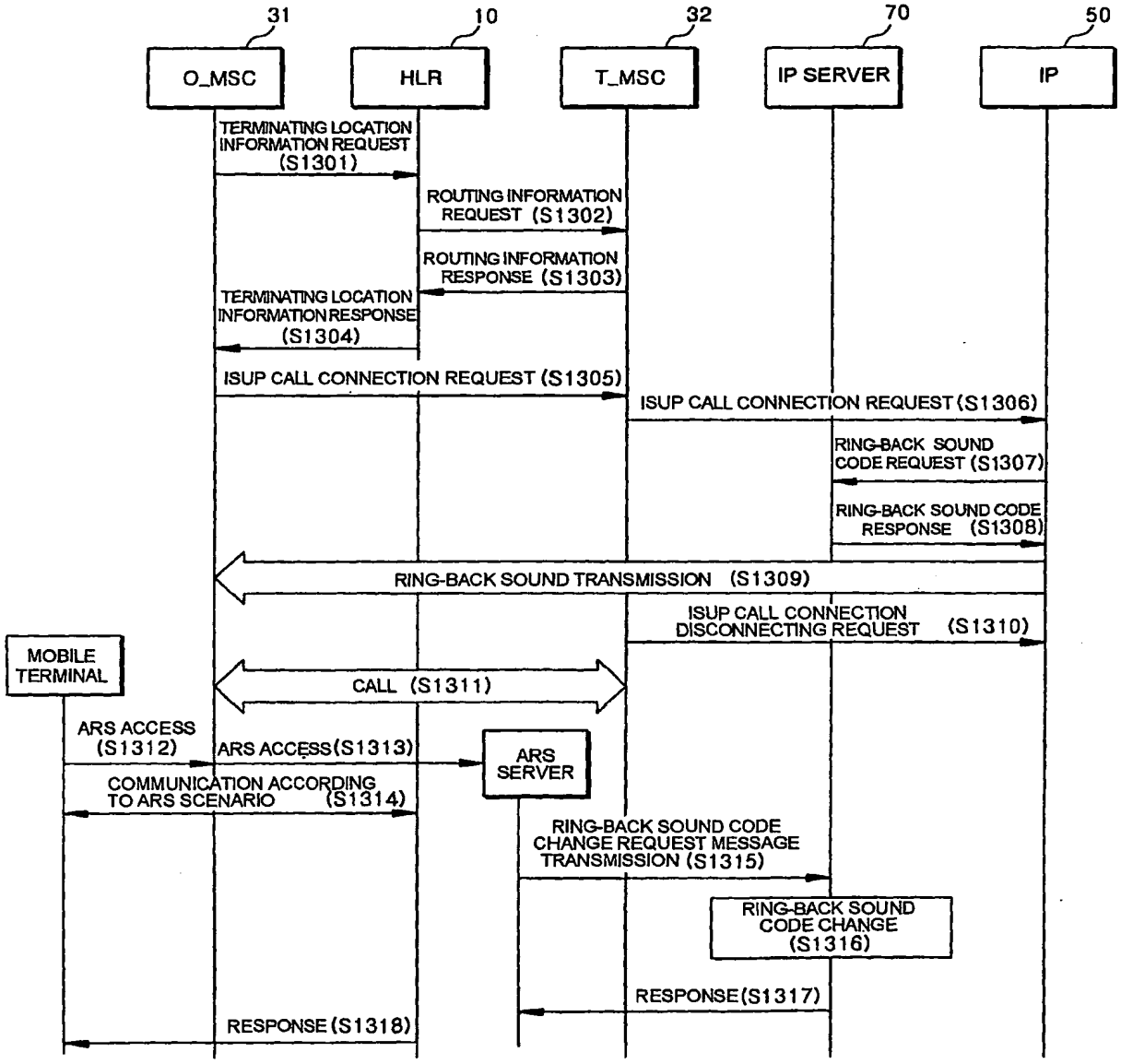

FIG. 17

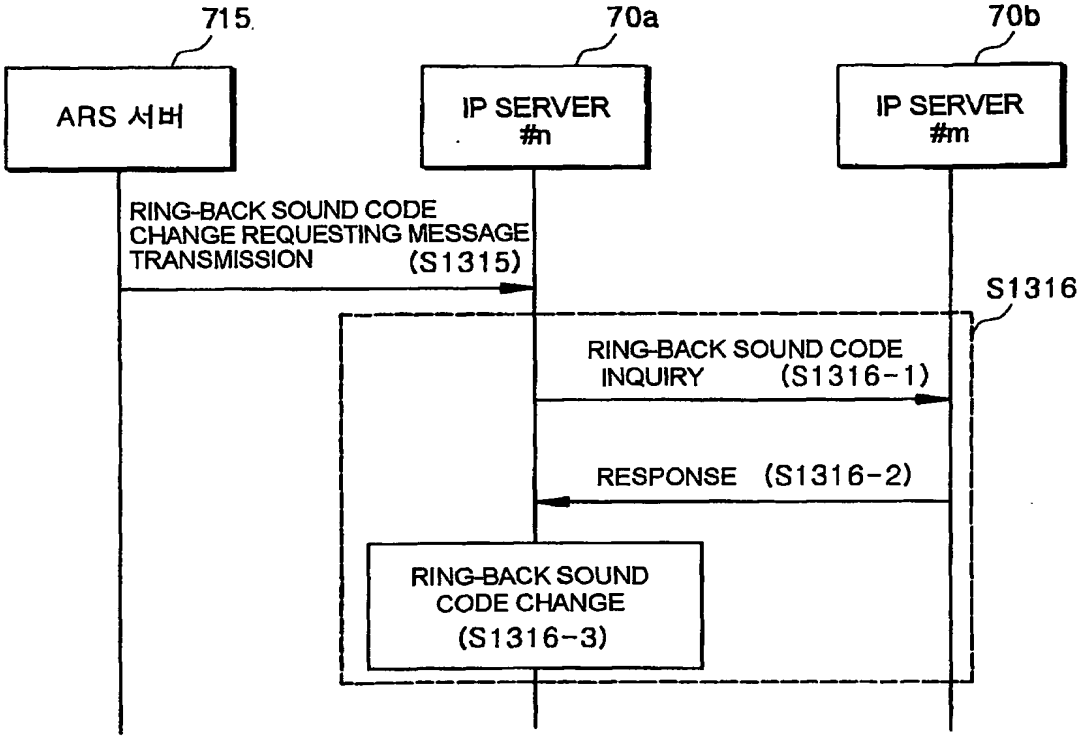
715
70a
70b
ARS 서버
IP SERVER #n
IP SERVER #m
RING-BACK SOUND CODE CHANGE REQUESTING MESSAGE TRANSMISSION (S1315)
S1316
RING-BACK SOUND CODE INQUIRY (S1316-1)
RESPONSE (S1316-2)
RING-BACK SOUND CODE CHANGE (S1316-3)

FIG. 18